

**ABSTRACT**

A terminal for generating a high-frequency electromagnetic field by an oscillating circuit, adapted to cooperating with at least one transponder when the transponder enters this field, and a method for establishing a communication between the devices, including circuitry for regulating the signal phase in the oscillating circuit with respect to a reference value and circuitry for evaluating, based on a measurement of the current in the oscillating circuit, the minimum number of transponders present in the field.